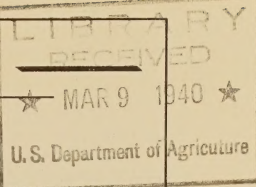


news letter

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Vol. 1.

February, 1940

No. 8

GENERAL ADMINISTRATION

The Agricultural Appropriation Bill for 1941 passed the House of Representatives on February 3, the amount recommended for regular funds for the Bureau being \$868,775. This represents a decrease of \$183,200 below the estimates approved by the Budget Bureau, and a decrease of \$285,594 below the appropriation for 1940. The bill also provides \$3,000,000 for the four Regional Research Laboratories as against \$3,200,000 as approved by the Budget Bureau and as provided for in the appropriation act for 1940. The changes in the estimates for regular funds include the elimination of \$120,300 for Utilization of Farm Products and Byproducts, a decrease of \$55,200 in the item for Agricultural Engineering and a decrease of \$7,200 in the Naval Stores Research. The House Committee recommended that the work on Industrial Utilization of Farm Products and Byproducts be taken over July 1, 1940, by the Regional Research Laboratories.

During the debate on the bill Mr. Bulwinkle of North Carolina offered an amendment to restore \$30,000 for the control of dust explosions, but the amendment was rejected.

The House Committee eliminated all new money for administrative promotions, but recommended that in making promotions from other available funds the formula laid down by the Bureau of the Budget, as modified by the committee, be followed, stating: "In connection with the use of this money the committee recommends that the Federal agencies concerned abide by the formula laid down by the Bureau of the Budget in recommending this program modified so that any one-step promotions that it may be possible to make should go to eligible employees in grades having a minimum salary of \$3,200, or above, who, on June 30, 1940, have not had a promotion since June 30, 1935, and to eligible employees in grades having a minimum salary less than \$3,200, who on June 30, 1940, have not had a promotion since June 30, 1937. The eligible employees would be those who are entitled to promotion by reason of their efficiency ratings or records and a promotion would constitute any increase in compensation to an individual from an administrative-in-grade promotion or advancement to a higher grade involving an increase in salary either to fill a vacancy or by reallocation of the person's position."

Dr. David J. Price, Chairman of the Board of Review on Efficiency Ratings, has called a meeting of his Committee for April 1. The advanced date of the meeting is due to the fact that the Civil Service Commission has approved April 15 as the new rating date beginning this year. Other members of the Board of Review are W. B. VanArsdel, R. B. Gray, Henry A. Donovan and C. F. Spoh.

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Henry A. Donovan, Assistant to the Chief, visited the Northern Regional Research Laboratory at Peoria, Ill., on January 18 and 19 in connection with the business administration activities of that laboratory.

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Stanley Andrysek, Time Clerk for the Bureau, was transferred on February 16 to the Agricultural Byproducts Laboratory, Ames, Iowa, to fill the vacancy left by the transfer of Miss Nadine Scott to the Southern Regional Research Laboratory, New Orleans, La. Philip Rossell has been appointed Time Clerk.

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All members of the Editorial and Information Division are now on the fourth floor of the South Building. Mr. Ervin, Mrs. Smoot, Miss Braeutigam and Mrs. Dills are now located in rooms 4017, 4019, and 4021 and Mr. Tilton in room 4032.

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The new filing system installed in the Bureau central file room during the past year has proved so satisfactory that Mr. Donovan has recommended the same system and equipment for the four Regional Laboratories.

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The following items are intended to clarify situations relating to changes in official stations and incident to travel status:

Transfers in Official Station: The issuance of an authorization transferring an employee's official station from one place to another does not place the employee in a travel status until after departure en route to the new station.

Return to Official Station Prior to Completion of Duties Assigned: Should an employee in travel status return to his official station prior to completion of duties assigned, the expense is personal to the employee. An employee taken ill while in travel status is not entitled to per diem credit while so absent. Employees returning to their homes or official stations prior to completion of assigned duties are not entitled to traveling expenses on the return trip.

Use of Personally-Owned Automobiles: Written authorization in advance of travel is required in all cases before mileage may be allowed at a definite rate. In the absence of prior authority, actual operating expenses only may be allowed. In the absence of authority at a definite mileage rate, employee must submit statement with his account, making a showing of saving over public-carrier transportation. Automobiles so used must be owned and registered in the name of the employee, otherwise mileage may not be allowed. An automobile jointly owned by husband and wife is interpreted as employee personally-owned. However, if title is vested in the wife, mileage may not be allowed.

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FARM STRUCTURES RESEARCH

On February 9, at a banquet at the Georgia Institute of Technology, A. C. Hudson of the Bureau was presented a silver medal by the Society of French Government Architects, which is given to the American architectural student earning the second highest number of credits in Class A or Advanced Architectural Design. Mr. Hudson was graduated from Georgia "Tech" last spring and is now Junior Architect in the farmhouse research project with headquarters at Athens, Ga.

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On February 8, J. R. McCalmont attended a conference of members of the Agricultural Engineering and Dairy Departments of the New Jersey Agricultural Experiment Station and representatives of the Mechanical Equipment and Farm Structures Divisions of this Bureau, at the Dairy Experimental Farm, Sussex, N.J., concerning the silo investigations program for the coming season. The program will cover a study of pressures exerted by grass silage when put up with molasses and citrus pulp or other dry material with dehydrated molasses. Especial attention will be given to the use of drains to remove excessive juices. Additional trials of the effect of prestressing the hoops on concrete stave silos to prevent leakage through the joints between the staves will be made.

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On February 3, Wallace Ashby met A. D. Edgar at Michigan State College and conferred with Professors H. H. Musselman, and C. H. Jefferson of the Agricultural Engineering Department and E. J. Wheeler of the Farm Crops Department, on the preparation of a bulletin on Michigan potato storages. Following the conference, Messrs. Edgar and Wheeler visited storages of potato growers cooperating in this project.

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Mr. Ashby then went to Madison, Wisconsin where plans for the conduct of the farmhouse research project were discussed with Messrs Otto E. Brunkow and Oscar Shivers of this Division, and Professors F. W. Duffee, S. A. Witzel, and M. J. LaRock of the Agricultural Engineering Department, and Miss May L. Cowles and Miss Mayer of the Home Economics Department of the College of Agriculture. Plans for future work were also discussed with Director Christianson and the Assistant Directors of the Experiment Station and of Extension Work.

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Messrs. Brunkow and Ashby also visited the Forest Products Laboratory and discussed matters of common interest with several representatives of the Laboratory.

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W. R. Swanson recently attended a conference at Manhattan, Kans. to discuss the grain sorghum and wheat storage projects in progress at Hays, Kansas. The conference was also attended by members of the staff at Kansas State College and by R. H. Black of the Agricultural Marketing Service.

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W. V. Hukill attended the Chicago meeting of the American Society of Refrigerating Engineers where he presented a paper prepared by J. T. Bowen and himself on the use of refrigeration in research in the Department of Agriculture. Mr. Hukill then spent a week at Ames, Iowa, working on special phases of the corn storage investigations with Dr. H. J. Barre and other members of the staff at Ames.

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M.A.R. Kelley of this Division and A. V. Krewatch of the University of Maryland have started a survey of lighting conditions in dairy barns in nearby Maryland. The first observations were made in the vicinity of Rockville.

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A paper on potato storage houses in Nebraska was prepared by A. D. Edgar for use on the Union Pacific potato exhibit train in cooperation with the Nebraska Extension Service.

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Dr. H. J. Barre discussed corn storage on the Farm and Home Week program at Iowa State College.

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CHEMICAL ENGINEERING RESEARCH

Dr. David J. Price attended the annual meeting of the Board of Directors of the National Fire Protection Association, of which he is Vice-President, in Atlantic City, N.J., January 19 to 21. On the return trip Dr. Price stopped at Philadelphia and Wyndmoor, Pa., to confer with officials of the Eastern Regional Research Laboratory and the supervising engineer with reference to laboratory construction matters.

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On February 14 Dr. Price addressed the 16th Annual Eastern Safety Conference at Newark, N.J., on "Dust Explosions Can Occur in Many Plants."

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Hylton R. Brown and Paul W. Edwards made a series of dust explosion demonstrations for a motion picture film on dust explosion and fire hazards.

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R. L. Hanson left January 11 for conferences in the Middle West on details of laboratory equipment for the Regional Laboratories. His trip took him to Adrian, Mich., Chicago, Ill., and Madison and Milwaukee, Wis.

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Byron J. Culp went to Philadelphia January 22 to survey fire protection facilities available for the Eastern Regional Research Laboratory. He spent two days conferring with members of the Philadelphia Fire Department and with officials of the laboratory and the construction engineers.

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Publications

- Price, D. J. Dust explosion in Rosenbaum grain elevator, Chicago, Ill.
May 11, 1939. Modern Miller 66(50): 16-17, Dec. 16, 1939.
- _____, - - How fires start and how they burn. Fire Engin. 93(1):
8-11, Jan., 1940.
- _____, - - Information on dust explosions for the fire service.
Internatl. Fire Fighter 22(12): 11-13, 16 & 30, Dec., 1939.
- _____, - - How much do you know about dust explosions? Volunteer
Firemen 7(1): 6 & 11, Jan., 1940.
- _____, - - Some questions and answers on dust explosion hazards.
Fire Engin. 93(1): 14 & 15, Jan., 1940.
- _____, - - Dust explosion prevention in grain elevators. Weekly Under-
writer 142(1): 52-57, Jan. 6, 1940.
- _____, - - and CULP, B. J. How to give dust death and destruction a
setback. Amer. Miller 68(1): 70-72 & 219, Jan. 1940.

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NAVAL STORES RESEARCH

On January 28, C. F. Speh left Washington for a trip through the South. He visited naval stores producers in Pensacola, Fla., Mobile, Ala.; and Atlanta, Ga. From February 1 to 3, he attended the meetings of the American Forestry Association at Biloxi, Miss. From Biloxi, he traveled to New Orleans, La., where he visited naval stores producers and dealers in and near New Orleans, and representatives of the Forest Service. After leaving New Orleans he visited the plant of the Hercules Powder Company at Hattiesburg, Miss., the University of Mississippi, at University, Miss., and naval stores dealers in Memphis, Tenn. He returned to the office on February 12.

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The "Traveling Conference", consisting of Washington personnel from various bureaus of the Department of Agriculture, together with field men of the Southeast representing these agencies, recently visited the Naval Stores Station. This traveling conference was at the Station from 9 to 10 a.m. January 17, 1940, at which time the work of the Station was explained by E. L. Patton. As a demonstrational feature the steam still was in operation and other activities such as coopering, weighing gum, charging digesters, barreling turpentine, and the normal laboratory work were being carried out. Advantage was taken of this stopover to explain the work of the local county agent and land use planning board.

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Among those visiting the Station from Washington were:

I. W. Duggan, Agricultural Adjustment Administration, H.R. Tolley, John M. Brewster, R. H. Rogers, R. L. Cochran, Roy I. Kimmell, O.V. Wells, W. Bert Johnson, Rensis Likert, Hugo C. Schwartz, all of the Bureau of Agricultural Economics, H. W. Barr and M. A. McCall of the Bureau of Plant Industry, B. Youngblood, Office of Experiment Stations, Z. L. Galloway, Extension Service, Mason Barr, Farm Security Administration; J. A. Fitzwater, U. S. Forest Service, Harold A. Stone, Office of Budget and Finance, Samuel S. Board, Office of Personnel, Chester Lake, Oscar W. Meier, and R. B. Craig of the Rural Electrification Administration, and Lloyd E. Partain, Soil Conservation Service.

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Publications

U. S. Patent 2,187,532, "Soil Adjuvant" issued to Martin Leatherman, January 16, 1940.
Naval Stores Studies of the Bureau of Agricultural Chemistry and Engineering (C. F. Speh) Manufacturers' Record, ol09, 2, p. 30 (Feb. 1940).
Florida Naval Stores Operators' Progressive. (J.O. Boynton). Naval Stores Review and Journal of Trade, 49, 46, (Feb. 10, 1940).

* * *

PROCESSING OF FARM PRODUCTS

Cotton Ginning Investigations.

Between January 10 and February 10, a number of visits were paid to the Ginning Laboratory by ginners and planters who were interested in modernizing their equipment or installing new outfits.

Heavy snows and cold weather from January 19 until early in February necessitated the suspension of operations in some of the unheated spaces of the laboratory. A severe electrical storm on the night of February 9 caused some damage to the electrical equipment of the laboratory by burning out the motor of the heating plant and putting one boiler unit out of commission through resulting low water.

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On January 17 and 18 Chas. A. Bennett, of this Bureau in company with F. L. Gerdes of the Agricultural Marketing Service, acted as advisors to the Ginning and Processing Committee of the National Cotton Council in their conferences at Memphis.

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On February 9 and 10 a number of the Southern Agricultural Workers visited the Cotton Ginning Laboratory en route to their respective stations. Among these were Dr. Lippert S. Ellis, Dr. A. A. Kuhlman, L. L. Ligon, and O. D. Duncan, from the Oklahoma A & M College, and Dr. John W. Wright, from Washington, D. C.

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A broad series of experimental tests with cotton ginning fans and piping are now under way in connection with the research on pneumatic methods for handling cotton.

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Cotton Packaging Investigations:

Analyses of data by the staff of the Bankhead-Jones Packaging Project are proceeding rapidly. A very valuable and unique planimeter-integrator has been invented by Dr. Waldo H. Kliever, Associate Engineer-Physicist, for use in handling the electrical charts upon which power records have been made. Dr. Kliever's, instrument compensates for the curved lines introduced by the recording pen mechanism and enables quick and accurate computations to be made of energy consumption and other facts pertaining to the electrical power.

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During the week ending February 10, the final compressing of storage bales was completed at the local compresses and return of cotton fiber to the owners was begun by the engineers and cotton technologists. Spinning lots have been forwarded to the spinning laboratories and cotton classification of samples obtained from the season's run are being made by Hughes Butterworth of the Agricultural Marketing Service, in the cotton classing room of the laboratory.

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Publications

Bennett, C. A. (With F. L. Gerdes, Agricultural Marketing Service)
The season's end in cotton ginning. Texas Cotton Ginners' Journal. XI (3): 5-6, 15, December, 1939.

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INDUSTRIAL-FARM PRODUCTS RESEARCH DIVISION

R. W. Frey of the Hide and Leather Section made a trip to Charlottesville, Va., on February 6 to confer with G. A. Kerr, formerly vice-president of the Philippine Cutch Corporation, regarding the possibilities of developing domestic tanning materials.

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Agricultural By-Products Laboratory, Ames, Iowa.

Dr. S. I. Aronovsky was called to Washington the latter part of January to confer with C. E. Senseman, Acting Chief of the Division, and other members of the Bureau regarding the work of the Agricultural By-Products Laboratory.

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Miss Nadine Scott, who has been at this laboratory since 1934, has been transferred to the Southern Regional Research Laboratory. Stanley J. Andrysek, formerly in the Bureau offices at Washington, assumed Miss Scott's duties at this laboratory as of February 16.

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Dr. Allen K. Smith of the U. S. Regional Soybean Industrial Products Laboratory at Urbana, Ill., spent February 8 and 9, in this laboratory working with the pulp and sheet-making equipment in connection with some of his research work.

The work of the Agricultural By-Products Laboratory was represented, among the exhibits of the various college departments, by a number of display boards and flow sheets during Farm and Home Week, held on the Iowa State College campus, February 12 to 17. A large slatted cylinder built like a corn crib was filled with various farm waste materials. The volumes approximating the proportionate amounts of these materials available annually were shown in comparison with a number of well-known landmarks, such as the Empire State Building, Washington Monument, etc.

Dr. S. I. Aronowsky was elected President of the U.S.D.A. Club recently formed at Ames. The club's "organization meeting" was held on February 9, at which meeting Dr. Chas. Friley, President of Iowa State College, spoke on "Federal-State Relationships".

Dr. H. A. Webber of the Chemical Engineering Department of Iowa State College and members of his class in cellulose chemistry were interested visitors at this laboratory on February 2. On the same date John Weber of the Architectural Engineering Department, together with his class in industrial design, visited the laboratory to investigate the work in the experimental production and use of plastics.

Publications

- Brother, G. H. Casein plastics. Indus. & Engin. Chem. 32(1): 31-33, January 1940.
- Beckel, A. C. and Sharp, A. G. Continual observation of changes in weight at oven temperatures. An apparatus for use in the study of drying rates and in the oxidation of oils. Indus. & Engin. Chem., Anal. Ed, (12)(1): 45-47, January 15, 1940.
- Porges, N., Clark, T. F. and Gastrock, E. A. Gluconic acid production. Repeated use of submerged aspergillus niger for semi-continuous production. Indus. & Engin. Chem., Indus. Ed. 32(1): 107-111, Jan., 1940.
- P. Burke Jacobs. Industrial distillation of agricultural wastes. Industrial and Engineering Chemistry, vol. 32, page 214, Feb. 1940.

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PROTEIN AND NUTRITION RESEARCH

Dr. Millard J. Horn has succeeded in isolating from plant material grown on seleniferous soil a crystalline organic compound containing selenium. Ever since Robinson of this Bureau, in 1933, showed that toxic wheat grown on seleniferous soil contained selenium, the manner in which this element is tied up in the plant has been a question that has occupied the attention of many investigators. Toxic selenium grains have caused enormous losses of farm animals in certain areas in the United States. Previous work done in this Division showed that the selenium in toxic wheat is intimately associated or combined with the protein. The analysis

and chemical behavior of the crystalline material which Dr. Horn has isolated shows that it is an amino acid of unique interest. This is the first time that an amino acid of this type has been isolated from a naturally occurring source. It is of unusual interest not only from the standpoint of the selenium problem in feeds, but also to the biochemist and organic chemist.

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Dr. H. S. Olcott of the Mellon Institute visited this Division on February 14 to confer with Dr. Jones on some questions relating to cottonseed proteins and amino acids.

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Publications

Horn, M. J., and Jones, De.Breese. Isolation of a crystalline selenium-containing organic compound from plant material.

J. Amer. Chem. Soc., 1940, Vol. 62, No. 1, p. 234, Jan. 1940.

Csonka, Frank A. Amino acids in the corn kernel. J. Agr. Res. 1939, Nov. 15, Vol. 59, No. 10, p. 765.

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FARM MECHANICAL EQUIPMENT RESEARCH

R. B. Gray left Washington February 20 for Toledo, Ohio, to confer with Frank Irons relative to the progress of the development work on the grasshopper poison bait mixer and plans on pest control machinery for the coming season. Mr. Gray plans to call on the Oliver Farm Equipment Sales Co., and the Allis-Chalmers and John Deere Companies to discuss farm machinery developments in general and in particular certain experimental equipment closely related to the investigations underway in the division.

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On February 8, W. R. Humphries attended a conference held at the Dairy Research Farm of the New Jersey Experiment Station, Sussex, N.J. where the cooperative grass silage studies for the coming season were outlined.

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I. F. Reed attended the meeting of the Southern Section of the American Society of Agricultural Engineers at Birmingham, Ala., Feb. 7-9, where he presented a paper, "Legume Coverage Studies in Alabama."

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W. L. Zink with several representatives of the David Bradley Manufacturing Works spent two weeks at Auburn conducting tests on several tools and implements.

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DIVISION OF PLANS AND SERVICE

Joseph A. Scott, Chief of the Division, has visited the Eastern and Southern Regional Laboratories and will visit the Western and Northern Regional Laboratories before returning to Washington. He will review the progress of construction and endeavor to expedite the work.

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The design of the film storage vault to be located at Beltsville, Md., is nearing completion. Construction by force account is expected to be started immediately on completion of the design and it is estimated that the structure will be completed prior to July 1.

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The Division has recently been requested to design refrigeration equipment for the Fruit and Vegetable Products Laboratory at Weslaco, Texas. The design will, for the most part, be similar to that now used in the Citrus Products Laboratory at Winter Haven, Fla. The Division has also been requested to design the low temperature refrigeration machinery and associated equipment to be installed in the Western Regional Laboratory. This design is scheduled for completion in time to advertise and receive bids before the end of the fiscal year.

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The design of the new Sewage Disposal Plant for the Horticultural Field Station is nearing completion. Construction is now in progress but has been hampered by the recent cold weather.

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REGIONAL RESEARCH LABORATORIES

Searches for new and extended uses for animal fats and for poultry products and byproducts will be included in the initial work of the regional research laboratories. It has been decided that such investigations may be undertaken in the eastern and western laboratories without jeopardizing the effectiveness of research on commodities previously designated for study in these laboratories. The studies on animal fats will be carried on in the Eastern laboratory in addition to work already planned on milk products, Irish potatoes, apples, vegetables, and tobacco. The poultry products researches will be carried on in the Western laboratory in addition to their studies of fruits, wheat, vegetables, Irish potatoes, and alfalfa.

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H. T. Herrick spoke before the Chemical Club of Princeton University on the evening of February 20, on the subject of "The New Regional Research Laboratories of the United States Department of Agriculture."

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R. H. Nagel addressed the Marketing Institute at Modesto, Calif., on January 30, on "Present Development and Plans of the Western Regional Research Laboratory"; the California State Board of Agriculture at Sacramento, Calif., on February 9, on "The Work of the Western Regional Research Laboratory," and the Institute of Food Technologists at Berkeley, Calif. on Feb. 16, on "The Western Regional Research Laboratory."

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R. E. Lothrop gave a talk before the Wyncote Men's Club of Wyncote, Pa., on February 5, 1940, on "Progress on the Eastern Regional Research Laboratory."

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Dr. L. B. Howard gave talks in January and February on "The Regional Research Laboratories" before the Peoria Ministerial Association in Peoria, the Kiwanis Club of Canton at Canton, the Rotary Club Farmers' Night at Delavan, and the Illinois Seed Dealers Association in Springfield, Ill.

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R. J. Cheatham presented a paper entitled "Domestic Utilization of Cotton in Relation to Economic Conditions in the South", before the Southern Agricultural Workers Association at Birmingham, Ala., on February 7. Abstract of the paper will be published in the proceedings of the meeting.

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Publications

Lynch, D. F. J. \$1,000,000 a year to seek more cotton uses. Cotton Trade Journal., International. Ed., XIX: 105, 1939-1940, Dec. 19, 1939.

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FOOD RESEARCH

Messrs. James A. Berry, Horace Campbell, and William Rabak of the U. S. Frozen Pack Laboratory at Seattle, and Dr. M. K. Veldhuis of the Fruit and Vegetable By-Products Laboratory, Pullman, attended the Canners' and Frozen Packers' School at Oregon State College, Corvallis, Oreg. February 5-16. The members of the Seattle Station were invited to participate in the school, and Dr. Veldhuis, who has but recently taken up his duties at Pullman, attended the meeting with the view of becoming acquainted with the canners and packers in the territory and their particular problems.

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Dr. V. A. Pease is spending several weeks on a motor trip through Florida. While in central Florida she visited our U. S. Citrus Products Station and also had the opportunity of going through a grapefruit cannery, juice plant, and citrus pulp drier factory.

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C. W. Eddy of the Fruit and Vegetable By-Products Laboratory at Pullman, attended the meeting of the Idaho State Horticultural Association at Payette, Idaho, January 29 and 30. While there he gave informal discussions of the work of the Pullman station, and also conducted a display of by-products made from Idaho's fruits, packed during the 1938-39 seasons.

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Dr. H. S. Olcott of the Mellon Institute, a well-known investigator in the field of antioxidants for oils, called on M. R. Coe of the division recently to discuss antioxidants and the new "chlorophyll value" test for rancidity.

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Among the visitors to the Division recently were H. S. Mitchell of the Chemical Laboratory of Swift and Company, Chicago and G. A. Grapple, of Wilson and Company, also of Chicago.

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Publications

- McNaught, James B., Beard, Rodney R., and DeEds, Floyd. Further observations of phenothiazine in experimental trichinosis. Proc. of the Society for Experimental Biology and Medicine. Vol. 42, pp. 645-6, 1939.
- Rabak, William. Strawberry Vitamin C content. Western Canner and Packer, Vol. 31, no. 13, p. 49, Dec. 1939.
- Chace, E. M. Preserving the dietetic value of frozen foods. J. Amer. Dietetic Association, Vol. 16, no. 1, pp. 34-37, Jan. 1940.
- Bailey, L. H., Bartram, M.T., and Rowe, S.C. Effect of storage temperatures upon the viability and baking properties of compressed yeast. Cereal Chemistry, Vol. 17, no. 1, pp. 55-66, 1940.
- Veldhuis, M.K. and Etchells, John L. Gaseous products of cucumber pickle fermentations. Food Research, Vol. 4, no. 6, pp. 621-630, 1939.
- Davis, Ward B. A proteolytic enzyme of lima bean (Phaseolus Lunatus L.) Food Research, Vol. 4, no. 6, pp. 613-619, 1939.
- Matlack, M. B., and Tucker, I.W. An esterase from muscular tissue. J. Biol. Chem., Vol. 132, pp. 663-667, February 1940.
- Goresline, H.E. The microbiology of eggs. ACE- 23 (mimeo).
- Balls, A. K. Studies on the commercial production of bromelin. Proc. Sixth Internatl. Cong., Comptes Rendus 1, 1939.
- Hoover, S..R. and Rogers, C. The application of interior egg quality measurements to practical problems. Procs. Seventh World's Poultry Cong. and Exposition, Cleveland, Ohio, July 28 to Aug. 7, 1939, p. 530-534.
- Riemenschneider, R. W. and Wheeler, D. H. Methods of analysis and their applications to highly purified methyl oleate and methyl linoleate. Oil and Soap 16(11); 219-221, Nov. 1939.
- Wheeler, D. H. and Riemenschneider, R. W., The preparation and properties of highly purified methyl oleate. Oil and Soap 16 (11): 207-209, Nov. 1939.

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Recent Appointments - Indefinite or Probationary

Nathan S. Allen, Jr.	Jr. Laborer (Weslaco, Texas)	Food Research Div.
Mrs. Elsie P. Krause	Jr. Clerk-Typist (Wyndmoor, Pa.)	East. Reg. Res. Lab.
Walter W. Norgood	Asst. Messenger	" " " " " "
John J. Willaman	Principal Chemist	" " " " " "
Paul G. May	Agent (CC) (Suffern, N.Y.)	Rural Elec. Res.
George W. Kable	Spec. in Rural Electrification	" " " "
	(Pt. Washington, N.Y.)	" " " "
Chas. Edward Dehner	Jr. Engineering aid (Peoria, ILL)	Plans and Service
James A. Kime	Assoc. Chemist (New Orleans, La.)	So. Reg. Res. Lab.
Ruby K. Worner	Assoc. Textile Tech. (New Orleans, La.)	do

Recent Appointments - Temporary

Dave Flowers	Mechanic (Laurel, Miss.)	Carbohydrate Res.
Anna M. Romeo	Jr. Stenographer	Plans and Service
Marie C. Huber	Jr. Clerk-Stenographer	Reg. Res. Labs.

Separations

Amer W. Krier	Asst. Messenger (Transf. to Office of Secretary)	Bus. Admin.
Viola M. Fossel	Jr. Clerk-Steno (Transf. to Office of Secretary)	Ind. Farm Prods. Res.
Thomas R. McElhinney	Coop. Agent (Jr. Chem) (Ames, Ia.) (Resigned)	" " " "
Arthur Henry Seibert	Jr. Sugar Technologist (Baton Rouge, La.)	Carbohydrate Res.
Russel Smith McBride	Pr. Chem. Engineer (wae)	Reg. Res. Labs.
Maurice Blau	Engr. Draftsman (Mechanical)	Plans and Service
John J. Cullinane	Assoc. Mech. Engr. (Resigned)	" " "
Nicholas Peter Stathis	Asst. Structural Engr. (Resigned)	" " "
Richard A. Heindel	Sr. Mech. Draftsman	" " "
Mrs. Loraine B. Hobday	Jr. Stenographer	" " "
Lillian C. Harris	Jr. Clerk-Stenographer (San Francisco, Calif.)	Food Res. Div.
Julian Mark Fore	Agent (Lafayette, Ind.)	Rural Elec. Res.

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